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(21)Application number : 06-038728 (71)Applicant : TOKUYAMA CORP

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(54) MOLDING MATERIAL

(57)Abstract:

PURPOSE: To provide the molding material which is excellent in the flowability and rapidly bordered by containing the lithium compound of the prescribed amount to the alumina cement, and covering the lithium compound with higher alcohol of the prescribed amount.

CONSTITUTION: In the molding material having the composition mainly consisting of the aggregate which consists of the alumina cement, zirconium oxide and/or magnesium oxide, 0.05-5% lithium compound consisting of the organic lithium salt is contained to the alumina cement. In the molding material, this lithium compound is covered with 20-100% higher alcohol to the lithium compound. This constitution allows the sufficient time to afford the operation, realizes the rapid hardening, and allows the mixture to sufficiently enter the detailed parts of the wax pattern to provide a precise casting.

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Brief of the cited document 2 (JP,H07-246442,A)

This invention relates to a mold material.

In this cited document, well known cement consist primarily of the CaOAl_2O_3 is used.

In addition, lithium compound is used as the curing auxiliary agent, and which compound is clad by the higher alcohol.

The lithium compound includes such as the lithium chloride, lithium nitrate, lithium sulfate, lithium citrate, lithium hydroxide.